

H5L_CREATE_UD

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H5L_CREATE_UD

Creates a link of a user-defined type

Procedure:

H5L_CREATE_UD(link_loc_id, link_name, link_type, udata, udata_size, lcpl_id, lapl_id)

Signature:

```
herr_t H5Lcreate_ud( hid_t link_loc_id, const char *link_name, H5L_type_t link_type, const char *udata, size_t udata_size, hid_t lcpl_id, hid_t lapl_id )
```

Parameters:

<i>hid_t</i> link_loc_id	IN: Link location identifier; may be a file, group, dataset, named datatype or attribute identifier
<i>const char *</i> link_name	IN: Link name
<i>H5L_type_t</i> link_type	IN: User-defined link class
<i>const char *</i> udata	IN: User-supplied link information
<i>size_t</i> udata_size	IN: Size of udata buffer
<i>hid_t</i> lcpl_id	IN: Link creation property list identifier
<i>hid_t</i> lapl_id	IN: Link access property list identifier

Description:

H5L_CREATE_UD creates a link of user-defined type `link_type` named `link_name` at the location specified in `link_loc_id` with user-specified data `udata`.

`link_name` is interpreted relative to `link_loc_id`.

Valid values for the link class of the new link, `link_type`, include `H5L_TYPE_EXTERNAL` and any user-defined link classes that have been registered with the library. See [H5L_REGISTER](#) for further information.

The format of the information pointed to by `udata` is defined by the user. `udata_size` specifies the size of the `udata` buffer. `udata` may be `NULL` if `udata_size` is zero (0).

The property lists specified by `lcp1_id` and `lap1_id` specify properties used to create and access the link.

The external link type, `H5L_TYPE_EXTERNAL`, included in the HDF5 library distribution, is implemented as a user-defined link type. This was done, in part, to provide a model for the implementation of other user-defined links.

Returns:

Returns a non-negative value if successful; otherwise returns a negative value.

Example:

Coming Soon!

History:

Release	Change
1.8.0	Function introduced in this release.

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